Certificate Number Report Reference Date	UL-CA-2127643-0 E139109-20210630 6-Jul-2021
Issued to:	XP POWER L L C 15641 RED HILL AVE, SUITE 100 TUSTIN, CA United States 92780
This is to certify that representative samples of	QQJQ8 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment Certified for Canada - Component See Addendum Page for Product Designation(s).
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	CSA C22.2 NO. 62368-1-14, 2nd Ed., Issue Date: 2014-12- 01
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Bampleg

Bruce Mahrenholz, Director North American Certification Program

UL LLC

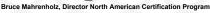
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

Certificate Number Report Reference Date UL-CA-2127643-0 E139109-20210630 6-Jul-2021

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
HRC0524S4K0N	DC/DC HV Converter
HRC0524S4K0P	DC/DC HV Converter
HRC0524S5K0N	DC/DC HV Converter
HRC0524S5K0P	DC/DC HV Converter
HRC0524S6K0N	DC/DC HV Converter
HRC0524S6K0P	DC/DC HV Converter

Bamely



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Certificate Number Report Reference Date	UL-US-2133152-0 E139109-20210630 6-Jul-2021
Issued to:	XP POWER L L C 15641 RED HILL AVE, SUITE 100 TUSTIN, CA United States 92780
This is to certify that representative samples of	QQJQ2 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment - Component See Addendum Page for Product Designation(s).
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 62368-1, 2nd Ed., Issue Date: 2014-12-01
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Bampleg

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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Certificate Number Report Reference Date UL-US-2133152-0 E139109-20210630 6-Jul-2021

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
HRC0524S4K0N	DC/DC HV Converter
HRC0524S4K0P	DC/DC HV Converter
HRC0524S5K0N	DC/DC HV Converter
HRC0524S5K0P	DC/DC HV Converter
HRC0524S6K0N	DC/DC HV Converter
HRC0524S6K0P	DC/DC HV Converter

Bamely

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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UL TEST REPORT AND PROCEDURE

Standard:	UL 62368-1, 2nd Ed, 2014-12-01 (Audio/video, information and communication technology equipment Part 1: Safety requirements) CAN/CSA C22.2 No. 62368-1-14, 2nd Ed, Issued: 2014-12-01 (Audio/video, information and communication technology equipment Part 1: Safety requirements)
Certification Type:	Component Recognition
CCN:	QQJQ2, QQJQ8 (Power Supplies for Use in Audio/Video, Information and Communication Technology Equipment)
Complementary CCN:	QQJQ8 (Power Supplies for Use in Audio/Video, Information and Communication Technology Equipment)
Product:	DC/DC HV Converter
Model:	HRC0524S4K0P, HRC0524S4K0N, HRC0524S5K0P, HRC0524S5K0N, HRC0524S6K0P, HRC0524S6K0N
	Input: 24Vdc, 0.35A
Rating:	Output:
	See Model Differences for output ratings of each mode.
	Ratings optionally marked on unit.
	XP POWER L L C
Applicant Name and Address:	15641 RED HILL AVE, SUITE 100
Applicant Manie and Addless.	TUSTIN CA 92780
	UNITED STATES

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service under the indicated Test Procedure as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Issue Date:	2021-06-30	Page 2 of 8	Report Reference #		E139109-A6101-UL
Prepared By:	Robert Lec	on / Project Handler	Reviewed By:	Walid Bey	/toughan / Reviewer

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

A. Authorization - The Authorization page may include additional Factory Identification Code markings.

B. Generic Inspection Instructions -

- i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
- ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
- iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The units are non-isolating Low Voltage DC to High Voltage DC 5 watt converters.

Model Differences

Model Output Voltage and Current:

HRC0524S4K0P: 0 to +4000V, 1.25mA HRC0524S4K0N: 0 to -4000V, 1.25mA HRC0524S5K0P: 0 to +5000V, 1.00mA HRC0524S5K0N: 0 to -5000V, 1.00mA HRC0524S6K0P: 0 to +6000V, 0.83mA HRC0524S6K0N: 0 to -6000V, 0.83mA

Test Item Particulars	
Classification of use by	Skilled person
Supply Connection	External Circuit - not Mains connected ES1
Supply % Tolerance	None
Supply Connection – Type	For building-in
Considered current rating of protective device as part	20 A;
of building or equipment installation	building;
Equipment mobility	for building-in
Over voltage category (OVC)	other:
	N/A for Building-In
Class of equipment	Not classified
Access location	N/A
Pollution degree (PD)	PD 2
Manufacturer's specified maximum operating ambient (°C)	70
IP protection class	IPX0
Power Systems	N/A
Altitude during operation (m)	2000 m or less
Altitude of test laboratory (m)	2000 m or less

Mass of equipment (kg)	0.075					
Technical Considerations	Technical Considerations					
 The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of : When installed in the end product temperature at the Baseplate hotspot should be measured and temperatures should not exceed 70°C. The product is intended for use on the following power systems : No direct connection The equipment disconnect device is considered to be : N/A - To be provided as an element of the end product. The product was investigated to the following additional standard : EN 62368-1:2014 + A11:2017 						
	eptability equipment where the acceptability of the combination is determined by UL oduct, consideration must be given to the following:					
 The following output circuits are at ES3 energy levels : All Outputs, All Models The following output circuits are at PS1 energy levels : All Outputs, All Models The maximum investigated branch circuit rating is : 20 A The investigated Pollution Degree is : 2 Proper bonding to the end-product main protective earthing termination is : Not required The following end-product enclosures are required : Electrical, Fire Heating test should be repeated in the end-use product. When installed in the end product the Baseplate hotspot should be measured and temperatures should not exceed 70°C. Power supply shall not be directly connected to primary power and shall derive its power from a safety isolating transformer whose secondary circuit is double/reinforced insulated from the mains or derive its power from batteries. The power supply outputs are not intended to be accessible to the user when installed in the end use product. Further evaluation may be necessary if its determined that the output circuits are accessible in the final installation. 						
Additional Information The nameplate markings provided are considered representative of the entire series and only the output						
ratings may vary. The need for the additional testing and evaluation shall be determined in the end product investigation.						
Additional Standards						
The product fulfills the requirements of: See "Technical Considerations"						
Markings and Instructions						
Clause Title	Marking or Instruction Details					
Equipment identification marking – Manufacturer identification	Listee's or Recognized companys name, Trade Name, Trademark or File Number					
Equipment identification marking – model identification	Model Number					
High Voltage warning						

Special Instructions to UL Representative N/A

BD1.0	TABLE: Production-Line Testing Requirements					
BD1.1	Electric Strength Test Special Constructions – Refer to Generic Inspection Instructi				structions,	
		Part AC for further information.				
Model	Component	Removable parts	Test probe	Test V rms	Test V	Test
			location		dc	Time, s
BD1.2	Earthing Continuity Test Exemptions – This test is not required for the following models:					
	All models					
BD1.3	Electric Strength Test Exemptions – This test is not required for the following models:					
	All models					
BD1.4	Electric Strength Test Component Exemptions – The following solid-state components					
	may be disconnected from the remainder of the circuitry during the performance of this					
	test.					
	N/A					

BE1.0 Sample and Test Specifics for Follow-Up Tests at UL					
Model	Component	Material	Test	Sample (s)	Test Specifics